

SEQUENCE LISTING

(1) General information

(i) Applicant:

- 5 (A) Name: Pasteur Sanofi Diagnostics
(B) Street: 3 Boulevard Raymond Poincare
(C) City: Marnes La Coquette
(D) Country: France
10 (E) Postal Code: 92430

(ii) Title of invention: Nucleotide sequences for
the detection of enterohaemorrhagic *Escherichia coli*

(iii) Number of sequences: 27

(2) Information for sequence ID No. 1:

(i) Sequence characteristics:

- 15 (A) Length: 1489 base pairs
(B) Type: Nucleic acid
20 (C) Strandedness: double
(D) Topology: linear
(E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 1:

1 CTGCACTCCG GAGATGAAAG CACCACTGTG TGTACCCCAT CAGCGTGGTC
51 CCGCAGGCCA TGATTTTGT CACAGACTCA ATGACTACCG GACGCACTGA
101 ACCTTCGGGT TGTCTCTCCA GCCAGTTAAG CCAGCGGTTT CCCTGCTGAA
151 AAATGTGGGC AAAACGGGGA AGCATCAGAA GGGCGGGGGA ACTCCGTCCG
201 GCCAGTGAAC CGTGCCACAC TCCGGGCAGT ACATGCCGCC GSCGCTGATA
251 CCGGCAAGAA TGGTCGCAAA CTCCCGCTCC GTGCAGCGGG CTATTTTCAGG

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301 ATACCCCTTCG TCATCAACAC GTACAAACCA GAAGACCAGC TTTTGTGTTT
351 TGACATCCAC AAAGAAGGGA ATATTCAGGT CTGCGCAGCA CTCAACGGCA
401 TCGTCAGTTG CGGCTTGGAA CCCCTTAGTA TTTTGTGTCT GTAGTATCTA
451 TCCCAGCAAT AGGTATATCC TGTTCATCA ATAAAGTTGA CTTTGTATA
501 CAACATGCGA ATTTCCCTTA ATCCGGAGCT ATTCGTATGA TAAAAAAAC
551 TCTTCCTGTT CTGATTCTTC TGGCGCTATC GGGGAGCTTT TCTACCGCTG
601 TAGCCGCTGA TAAAAAAGAG ACTCAAAT TCTACTATCC AGAAACACTG
651 GATTTAATC CTCTGAGATT ACACAGCCCT GAATCAAATC CCTGGGGGGC
701 TGATTTTGAT TATGCCACCA GATTTCACA GCTGGATATG GAGGCTCTGA
751 AAAAAGATAT CAAAGATTG CTGACAACTT CCCAGGATTG GTGCCCTGCG
801 GATTATGGTC ATTATGGTCC TTTCTTTATT CGTATGGCTT GGCACGGTGC
851 CGGAACATAC AGGACATATG ATGGCCGGGG AGGCGCCAGT GGTGGTCAGC
901 AACGTTTTGA ACCGCTGAAC AGCTGGCCGG ATAACGTTAA TCTGGATAAA
951 GCCCGTCGAT TGCTGTGGCC AGTCAAGAAA AAATACGGCT CCAGTATTTT
1001 CTGGGGAGAC CTGATGGTCC TGACTGGTAA TGTGCCCTT GAATCCATGG
1051 GATTTAAAC GCTGGGATTT GCTGGCGGAA GAGAAGATGA CTGGGAGTCC
1101 GACCTGSTAT ACTGGGGGCC TGACAACAAG CCTCTTGAG ATAACCGGGA
1151 TAAAAACGGG AACTTCAGA AACCTCTTGC CGCCACGAG ATGGGACTTA
1201 TTTATGTCAA TCCTGAAGGC CCCGGTGGAA AACCAGATCC TCTGGCTTCC
1251 GCGAAAGATA TCAGGGAAGC TTTTTCACGT ATGGCCATGG ATGATGAGGA
1301 GACTGTGGCC CTGATCGCGG GAGGGCATACT ATTTGGTAAA GCACATGGTG
1351 CAGCGTCTCC TGAAAAATGT ATTGGCGCAG GGCCTGATGG TGCACCTGTG
1401 GAGGAGCAGG GACTGGGATG GAAAAATAAA TGTGGTACAG GAAACGGCA
1451 ATATACCATC ACCAGTGGCC TGGAAGGAGC CTGGTCGAC

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(2) Information for sequence ID No. 2:

(i) Sequence characteristics:

- (A) Length: 1181 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: double
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 2:

1 CTGCAGGAGA TGGAAAAAAA GCCAAAATAA AAAATTGCCC ATCCCAGCGC
 51 GCTCCAGCTG AAAGTAGGCC TGTTCGTGCC GGTATTTAAA TGCATTGACC
 101 GTCCCCGTAT TTAAACAATG TGATAAATTA CTCCGTTACC GGAAAACCGC
 151 TGAACAAAAT TCGGGCTGAA AAGAGGATCC GCCGTTATCT GTTGCATTTT
 201 CCCTTAGCCT GACTAGCCAG AGACACAATG ATCTGTGCCG TTCTGTTAAT
 251 ATCAAAACCGG TACTCAATAT CTTCTCTGGC GCTGGCTGCC ATCATCCGGA
 301 AGCGTTCCGG TCGGGATAAA AAATCGCGCA GTGCGCCGGT CCATGCAGAC
 351 ACATCCCCCA CGGGTAACAG CGTCCCTGTC ACATTCTTCT GAATGACATC
 401 AGGGATCCCG CCCGTCTCAC TGGCGATAAC GGGCACGCCG GAGACTGACG
 451 CTTCAGCCAG TACCATACCA AACGCTTCAT TTTCCGAAGG CATGACCACC
 501 ACACTGGCAA TCCGGTAGAC CGGTAACGCT GGGAAAAGGG CACCTGCCAT
 551 ~~CTACCATATC CTGCTGATCG GCGGGCTCTA TGAGTGAGGA AAAAGATCTG~~
 651 CTTCCATCT TCAGCTGATA CAATACACGC AGCATAAATT CATGTCCTTT
 701 TTCGGGACGT AGCATCCCCA CCTGAACGAT AAGCGGAACA TTGTCTGCTG
 751 ATGCAGCCCA GCGGTGGATA TGCAGGGGTA ACGGTCGCAT GGCTTCATTA
 801 TGCAATGCGG GCCAGTCGAA ACCCGGTGGA ATAACCGTTA CCGGTGTCTT
 851 GACACCTTCC GCCATCAGAT GCGCCATCAT GGGTGAGATA GGCACAACAA
 901 TGAAATCACA CAGATAATTC AGGGAAAACG TTCTGGTCTT ACGGGTGATG
 951 TAGGTTTTTT GTCTGACAAT AGTGAAGCGG TGACAGCATA TCAGACGGCT
 1001 CAGTCCTGCT ATATTACTGT CATGGCCACT ATGGCAGATG ACCAGATCAG
 1051 GTTTAAATTC CCCGATAATC CGTCGAAGTC TGAGGATGGA AGGAAGGTGA
 1101 AGGCTGTTCC TGAAAGGAAT AAAAGTGACA TCATGCCCTC TTTTCTGGC
 1151 TTCCGGAGCA ATTTTACTTT TTTCTCTGCA G

(2) Information for sequence ID No. 3:

(i) Sequence characteristics:

- (A) Length: 22 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 3:
 CGGAGATGAAAGCACCACCTCTG

(2) Information for sequence ID No. 4:

(i) Sequence characteristics:

- (A) Length: 22 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 4:
GGGCTGTGTAATCTCAGAGGAG

(2) Information for sequence ID No. 5:

(i) Sequence characteristics:

- (A) Length: 25 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 5:
GTCCGGAGATGAAAGCACCACTGTG

(2) Information for sequence ID No. 6:

(i) Sequence characteristics:

- (A) Length: 25 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 6:
TCAGGGCTGTGTAATCTCAGAGGAG

(2) Information for sequence ID No. 7:

(i) Sequence characteristics:

- (A) Length: 23 base pairs
(B) Type: Nucleic acid
(C) Strandedness: single
(D) Topology: linear
5 (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 7:
10 GGCGCTGATACCGGCAAGAATGG

(2) Information for sequence ID No. 8:

- (i) Sequence characteristics:
(A) Length: 23 base pairs
(B) Type: Nucleic acid
15 (C) Strandedness: single
(D) Topology: linear
(E) Strand: sense

(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 8:
GGTCCCGCAGGCCATGATTTTIG

(2) Information for sequence ID No. 9:

- (i) Sequence characteristics:
25 (A) Length: 24 base pairs
(B) Type: Nucleic acid
(C) Strandedness: single
(D) Topology: linear
(E) Strand: sense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 9:
CCGGCAAGAATGGTCGCAAACTCC

35 (2) Information for sequence ID No. 10:

- (i) Sequence characteristics:
(A) Length: 26 base pairs
(B) Type: Nucleic acid

- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

5 (ii) Molecule type: DNA (genomic)

 (iii) Sequence description: SEQ ID No. 10:
AAGGGGTTCGAAGCCGCAACTGACGA

(2) Information for sequence ID No. 11:

- 10 (i) Sequence characteristics:
- (A) Length: 26 base pairs
 - (B) Type: Nucleic acid
 - (C) Strandedness: single
 - (D) Topology: linear
 - 15 (E) Strand: antisense

 (ii) Molecule type: DNA (genomic)

 (iii) Sequence description: SEQ ID No. 11:
20 TAAGGGGTTCGAAGCCGCAACTGACG

(2) Information for sequence ID No. 12:

- (i) Sequence characteristics:
- (A) Length: 31 base pairs
 - (B) Type: Nucleic acid
 - 25 (C) Strandedness: single
 - (D) Topology: linear
 - (E) Strand: sense

 (ii) Molecule type: DNA (genomic)

30 (iii) Sequence description: SEQ ID No. 12:
CTCAACGGCATCGTCAGTTGCGGCTTGGAAC

(2) Information for sequence ID No. 13:

- (i) Sequence characteristics:
- 35 (A) Length: 31 base pairs
 - (B) Type: Nucleic acid
 - (C) Strandedness: single
 - (D) Topology: linear

(E) Strand: sense

(ii) Molecule type: DNA (genomic)

5 (iii) Sequence description: SEQ ID No. 13:
AGCACTCAACGGCATCGTCAGTTGCGGCTTG

(2) Information for sequence ID No. 14:

(i) Sequence characteristics:

- (A) Length: 31 base pairs
- 10 (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

15 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 14:
CTATTTTCAGGATACCCTTCGTCATCAACACG

(2) Information for sequence ID No. 15:

- 20 (i) Sequence characteristics:
- (A) Length: 31 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- 25 (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 15:
30 AATTTCCCTTAATCCGGAGCTATTCGTATGA

(2) Information for sequence ID No. 16:

(i) Sequence characteristics:

- (A) Length: 20 base pairs
- (B) Type: Nucleic acid
- 35 (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 16:

GAAGACCAGCTTTTGTTC

5 (2) Information for sequence ID No. 17:

(i) Sequence characteristics:

(A) Length: 20 base pairs

(B) Type: Nucleic acid

(C) Strandedness: single

10 (D) Topology: linear

(E) Strand: sense

(ii) Molecule type: DNA (genomic)

15 (iii) Sequence description: SEQ ID No. 17:

TGTCACAGACTCAATGACTA

(2) Information for sequence ID No. 18:

(i) Sequence characteristics:

(A) Length: 14 base pairs

20 (B) Type: Nucleic acid

(C) Strandedness: single

(D) Topology: linear

(E) Strand: sense

25 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 18:

GGCATCGTCAGTTG

(2) Information for sequence ID No. 19:

30 (i) Sequence characteristics:

(A) Length: 16 base pairs

(B) Type: Nucleic acid

(C) Strandedness: single

(D) Topology: linear

35 (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 19:
CGGCATCGTCAGTTGC

(2) Information for sequence ID No. 20:

(i) Sequence characteristics:

- 5 (A) Length: 18 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 20:
ACGGCATCGTCAGTTGCG

15 (2) Information for sequence ID No. 21:

(i) Sequence characteristics:

- (A) Length: 22 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- 20 (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

25 (iii) Sequence description: SEQ ID No. 21:
CCACCTGAACGATAAGCGGAAC

(2) Information for sequence ID No. 22:

(i) Sequence characteristics:

- (A) Length: 22 base pairs
- 30 (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

35 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 22:
CACCTTCCTTCCATCCTCAGAC

(2) Information for sequence ID No. 23:

(i) Sequence characteristics:

- (A) Length: 20 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 23:

ATCCCAGCGCGCTCCAGCTG

(2) Information for sequence ID No. 24:

(i) Sequence characteristics:

- (A) Length: 22 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 24:

ACCCATGATGGCGCATCTGATG

(2) Information for sequence ID No. 25:

(i) Sequence characteristics:

- (A) Length: 31 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 25:

ACGTTCTGGTCTTACGGGTGATGTAGGTTTT

(2) Information for sequence ID No. 26:

(i) Sequence characteristics:

- (A) Length: 31 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 26:

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TAGTGAAGCGGTGACAGCATATCAGACGGCT

(2) Information for sequence ID No. 27:

(i) Sequence characteristics:

- (A) Length: 21 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

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(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 27:

GTGAGATAGGCACAACAATGA

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